Hot Tips

Good info for the new ham, and old stuff to refresh your memory



Dust on your equipment

Not long ago, a local ham asked for help to figure out why her radio signal doesn't get good reports anymore. Turns out, her coax connector that plugs into her radio was coated in dust, so once we cleaned off both connectors, she was back in business. Seems that she and her husband had recently installed some cabinetry in the room where her coax laid disconnected, allowing the drywall mud dust to settle on everything in the small space.

Dust is a common nuisance that typically doesn't require constant attention, so its presence is often overlooked, sometimes leading to less-than-favorable effects on your equipment. We lead busy lives, and playing with our radio equipment is not likely something we do daily, so an undesirable layer of dust tends to make its home on our expensive gear as a result. Often, that dusty layer is only an eyesore, Dust can harm your radio equipment by coland gives your equipment a slightly vintage lecting on air vent or fan openings, preventing appearance, but that same dust can also dam- proper ventilation, leading to premature age your equipment.

So, where does all this dust come from? Our earthly air is normally dusty, unless we live in an expensively controlled environment, like a Finally, dust is typically non-conductive, and detect its composition.

Probably the most common problem with collecting dust is its effects on radio displays. soft plastic (or even glass!) face to become der a dust cover.



increasingly unreadable. To more gently remove dust from a display, use a slightly damp cotton cloth. Not a tissue, not a paper towel, and certainly not your finger.

equipment failure by overheating. Instead of wiping or dismantling your fan or vent openings, try vacuuming out the dust.

clean room. Dust contains soil, fine hairs, when deposited between contacts, can create spores, clothing fibers, pollen, dead insect partially open connections, like in the above remnants, bacteria, and other undesirable con- example. However, dust can also contain metaminants. Some dust particles are visible, but tallic or partially conductive materials. When much is so fine that only a microscope can deposited across components, it can actually create a mild short, which can route too much electrical current into the wrong path, possibly resulting in component failure or even a fire.

You can easily wipe the dust collected on your So, does all this mean you need to keep your display, so that you can see your little screen equipment perfectly dust-free? Of course not, once again, but that actually causes another but it might be wise to occasionally check for problem. As you wipe the dust off a display, excessive dust on surfaces whose appearance you might not realize just how abrasive the or operation might be affected, then clean dust is, and indiscriminately scratch your dis- them appropriately. It might not hurt to keep play with each wipe, eventually rendering the your radio gear in a dust-free container or un-